

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121

(505) 768-1500

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WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT*
JAMES BRUCE
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MACDONNELL GORDON
REBECCA NICOLS JOHNSON
PAUL R. NEWTON
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MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS*
S. BARRY PAISNER
W. CRAIG BARLOW*
ROBERT W. CASE*
JAMES A. GILLESPIE
KAREN L. COLLIER*
GARY W. LARSON
STEPHANIE LANDRY

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1904-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEX CO

May 19, 1989

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

RECEIVED

MAY 22 1989

OIL CONSERVATION DIV.
SANTA FE

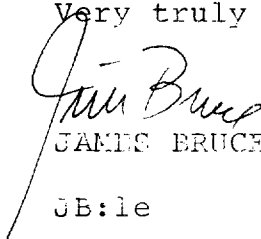
Ms. Florene Davidson
New Mexico Oil Conservation
Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Case No. 9663, The Application of The Petroleum
Corporation of Delaware for Downhole Commingling, etc.

Dear Florene:

The above case is scheduled for the June 7th Examiner
Hearing. Please continue this hearing to the June 21, 1989
Examiner Hearing. I believe this will be the final
continuance in this case.

Very truly yours,


JAMES BRUCE

JB:le

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

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WILLIAM B. BURFORD
RICHARD E. OLSON
RICHARD A. SIMMS
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
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JEFFREY L. FORNACIAR
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG

ALBERT L. PITTS
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THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM
GREGORY J. NIBERT
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FRED W. SCHWENDIMANN
JAMES R. MCADAMS
JAMES W. HUDSON
MCDONNELL SORDON
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PAUL R. NEWTON
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SUSAN L. NESER
MARK A. WILSON
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CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1915-1987)

*NOT LICENSED IN NEW MEXICO

April 26, 1988

RECEIVED

APR 26 1988

OIL CONSERVATION DIVISION

Michael E. Stogner
New Mexico Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87504

HAND DELIVERED

Re: Case No. 9342, the Application of The Petroleum Corporation of Delaware for Simultaneous Dedication and Amendment of Administrative Order No. NSP-1290, Eddy County, New Mexico

Dear Mike:

This letter is in response to two requests you made at the hearing on this matter, which was held on March 30, 1988.

First, an Amended Application was filed, and additional notice was sent to all offset operators. Copies of the letters of notification and certified return receipts are attached to this letter as Exhibit A.

Second, an issue arose at hearing regarding whether the Superior Federal Well No. 6 located in Unit N, Section 6, Township 20 South, Range 29 East was completed in the Morrow or Atoka formation. Mark Poppendeck, our geological witness at the hearing, contacted Darryl Moore in the OCD's Artesia office regarding this problem. Mr. Poppendeck's letter to me summarizing the results of his discussions is attached hereto as Exhibit B. A portion of the well log is attached hereto as Exhibit C. Based on the foregoing, I believe that we will have to amend NSP-1290 to include not only the Strawn pool but the Atoka pool. Depending upon the completion of the proposed Superior Federal Well No. 7, the order should also be broad enough to permit simultaneous dedication of production from the Morrow, Strawn, and Atoka pools in the S $\frac{1}{2}$ of Section 6.

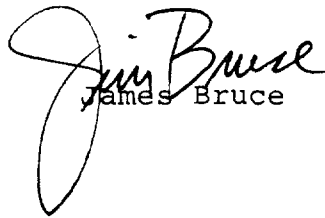
Please call me if you have any questions about this matter. This matter was readvertised for April 27, 1988, but it may have

Michael E. Stogner
April 26, 1988
Page 2

to be readvertised a second time. Also, please let me know if
you need any additional testimony submitted on this case.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

Show to whom and date delivered

Show to whom, date, and address of delivery

2. **RESTRICTED DELIVERY**

(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. **ARTICLE ADDRESSED TO:**

Mobile Oil Company
P.O. Box 633

Wichita, TX 79702

4. **TYPE OF SERVICE:**

REGISTERED INSURED
 CERTIFIED COO
 EXPRESS MAIL

ARTICLE NUMBER

P139162875

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

John Blackwell

5. **DATE OF DELIVERY**

4-6-88

POSTMARK

(may be on reverse side)

6. **ADDRESSEE'S ADDRESS** (Only if requested)

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**

MC

RETURN RECEIPT



INSTRUCTIONS
 1. Place stamp in the space below.
 2. Seal flap on the reverse.
 3. Place in post office.
 4. Return to sender.

RETURN TO



THE PETROLEUM CORPORATION
 OF DELAWARE
 3131 FURLE CREEK BLVD.
 SUITE 400 BOX
 DALLAS, TEXAS 75219-5415
 City, State, and ZIP Code

7 162 875

RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Company

3131 Furle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898

* U.S.G.P.O. 1984-446-014

Sent to	Mobil Oil Company
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, Feb. 1982

March 31, 1988

CERTIFIED
 RETURN RECEIPT RE

row Gas Pool and
 wn Gas Pool
 for Simultaneous Dedication
 29E
 xico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed Application for Simultaneous Dedication concerning the referenced concerns the same matter of which you were notified in our letter 4, 1988. The hearing concerning the original application was held 1988, and you are hereby being re-notified due to certain errors in application. The amended application is being submitted Conservation Division for clarification of our intent in this matter

Please find attached a copy of the amended application for your matter will come for hearing again on April 27, 1988.

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Mobil Oil Company
P. O. Box 633
Midland, Texas 79702

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T205-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

Please find attached a copy of the amended application for your review. This matter will come for hearing again on April 27, 1988.

If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE


M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

• **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered \$
 - Show to whom, date, and address of delivery .. \$
 - 2. **RESTRICTED DELIVERY** \$
(The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$

3. **ARTICLE ADDRESSED TO:**
Texas Oil and Gas Corporation
1700 Pacific, LB 10
Dallas, TX 75201

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> EXPRESS MAIL	<input type="checkbox"/> INSURED <input type="checkbox"/> COD	ARTICLE NUMBER P139162871
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(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent

[Handwritten Signature]
DATE OF DELIVERY
4-9

POSTMARK
(may be on reverse side)

6. **ADDRESSEE'S ADDRESS** (Only if requested)

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**

RETURN RECEIPT

POSTAL SERVICE
 SPECIAL BUSINESS
 RETURN TO
 TO



THE PETROLEUM CORPORATION
 OF DELAWARE
 3131 TURPLE CREEK RD. - 400
 DALLAS, TEXAS 75219-5415
 (City, State, and ZIP Code)

P 139 162 871

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

S Form 3800, Feb. 1982

* U.S.G.P.O. 1984-446-014

Sent to Texas Oil & Gas Corp.	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Texas Oil and Gas Corporation
1700 Pacific, LB10
Dallas, TX 75201

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

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Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO"
space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered \$
 - Show to whom, date, and address of delivery .. \$
2. RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$

3. ARTICLE ADDRESSED TO:
 American Exploration
 4500 Republic Bank Ctr.
 700 Louisiana, Houston Tx 77002

4. TYPE OF SERVICE: ARTICLE NUMBER
- REGISTERED INSURED
 - CERTIFIED COD
 - EXPRESS MAIL
- P139162873

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE Addressee Authorized agent

5. DATE OF DELIVERY: *J. Brundage*
4/11/88

POSTMARK
(may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S
 INITIALS

RETURN RECEIPT

RETURN TO

THE PETROLEUM CORPORATION
3131 TURTLE CREEK BLVD.
DALLAS, TEXAS 75219-5415
(City, State, and ZIP Code)



P 139 162 873

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-446-014

Sent to American Exploration	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

Presidio Oil Company

SUBSIDIARIES:

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

American Exploration
4500 Republic Bank Center
700 Louisiana
Houston, Texas 77002

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

Please find attached a copy of the amended application for your review. This matter will come for hearing again on April 27, 1988.

If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE


M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered \$
 - Show to whom, date, and address of delivery .. \$
2. **RESTRICTED DELIVERY** \$
(The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$ _____

3. **ARTICLE ADDRESSED TO:**
 Hal Dean
 One First City Ctr., Ste. 400
 Midland, Texas 79701

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER P139162872
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(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Walter Creamer

5. DATE OF DELIVERY	POSTMARK <i>(may be on reverse side)</i>
6. ADDRESSEE'S ADDRESS <i>(Only if requested)</i> 46	

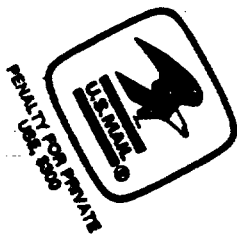
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS
--------------------------------------	--------------------------------

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
Official business

SENDER INSTRUCTIONS
 Put the name, address, and ZIP Code in the space below.
 • Complete items 1, 2, 3, and 4 on the reverse.
 • Attach to front of article if possible.
 • Enclosed article must be marked "Registered Mail."
 • Signature is required.

RETURN
TO



THE PETROLEUM CORPORATION
 DE DELAWARE
 9131 TURKEY CREEK BLVD.
 SUITE 400
 DALLAS, TEXAS 75243-1515

P 139 162 872

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1984-446-014 PS Form 3800, Feb. 1982	Sent to Hal Dean	
	Street and No.	
	P.O., State and ZIP Code	
	Postage	\$
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
Postmark or Date		

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Hal Dean
One First City Ctr., Suite 1400
Midland, Texas 79701

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

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THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

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Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered
 - Show to whom, date, and address of delivery
2. RESTRICTED DELIVERY
- (The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$

3. ARTICLE ADDRESSED TO:

Texas U.S.A.
P.O. Box 52332
Houston, TX 77052

4. TYPE OF SERVICE:	ARTICLE NUMBER
<input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED	P139162870
<input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COO	
<input type="checkbox"/> EXPRESS MAIL	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

5. DATE OF DELIVERY
4-7-82



6. ADDRESSEE'S ADDRESS (Only if not on reverse)

7. UNABLE TO DELIVER BECAUSE:	7c. EMPLOYEE'S INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

- SENDER INSTRUCTIONS**
- Complete name, address, and ZIP Code in the space below.
 - Attach to front of article if space permits.
 - Enter on article "Insure Receipt Requested" if desired.
 - Enter on article "Insure Receipt Requested" if desired.
 - Enter on article "Insure Receipt Requested" if desired.

RETURN TO

THE PETROLEUM CORPORATION
OF DELAWARE
3131 TURKEY CREEK BLVD.
SUITE 400
DALLAS, TEXAS 75246



P 139 162 870

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1984-446-014 PS Form 3800, Feb. 1982	Sent to	Texas U.S.A.
	Street and No.	
	P.O., State and ZIP Code	
	Postage	\$
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
Postmark or Date		

Presidio Oil Company

3131 Turtle Creek Blvd • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Texas U. S. A.
P. O. Box 52332
Texaco Building
Houston, Texas 77052

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

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If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

- Show to whom and date delivered
- Show to whom, date, and address of delivery

2. RESTRICTED DELIVERY

(This restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:

Manzano Oil Corp.
P. O. Box 2107
Roswell, N.M. 88202

4. TYPE OF SERVICE:

- REGISTERED INSURED
- CERTIFIED COD
- EXPRESS MAIL

ARTICLE NUMBER

P139162869

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Allison B. Wiggin

5. DATE OF DELIVERY

4-6-88

POSTMARK
(may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

Allison

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
Official Business

SENDER INSTRUCTIONS
 • Complete items 1, 2, 3, and 4 on the space below.
 • Attach to front of article if article is large package.
 • Complete article, return receipt, and return address.
 • Attach to envelope.

RETURN TO 



THE PETROLEUM CORPORATION
STI TUBULAR SERVICE DIV.
SUITE 400
DALLAS, TEXAS 75242-2543

P 139 162 869

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1984-446-014 PS Form 3800, Feb. 1982	Sent to	Manzano Oil Corp.	
	Street and No.		
	P.O., State and ZIP Code		
	Postage	\$	
	Certified Fee		
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered		
	Return receipt showing to whom, Date, and Address of Delivery		
	TOTAL Postage and Fees	\$	
Postmark or Date			

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Manzano Oil Corporation
P. O. Box 2107
Roswell, N. M. 88202

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

Please find attached a copy of the amended application for your review. This matter will come for hearing again on April 27, 1988.

If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

Show to whom and date delivered

Show to whom, date, and address of delivery

2. **RESTRICTED DELIVERY**

(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. **ARTICLE ADDRESSED TO:**
Yates Petroleum Corp.
105 South 4th St.
Artesia, N. M. 88210

4. **TYPE OF SERVICE:** **ARTICLE NUMBER**

REGISTERED INSURED

CERTIFIED COO P139162868

EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

CW

5. **DATE OF DELIVERY** **POSTMARK**
(may be on reverse side)

4-5-88

6. **ADDRESSEE'S ADDRESS** (Only if requested)

105 S. 4th
ARTESIA, NM 88210

7. **UNABLE TO DELIVER BECAUSE:** **7a. EMPLOYEE'S INITIALS**

118

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
 OFFICIAL BUSINESS

SENDER INSTRUCTIONS
 1. Use ZIP Code in the space below.
 2. Use ZIP Code in the space below.
 3. Use ZIP Code in the space below.
 4. Use ZIP Code in the space below.
 5. Use ZIP Code in the space below.

Print your name, address, and ZIP Code in the space below.

• All letters, postcards, and flats must be addressed to a specific person or organization.
 • All letters, postcards, and flats must be addressed to a specific person or organization.
 • All letters, postcards, and flats must be addressed to a specific person or organization.

RETURN TO

THE PETROLEUM CORPORATION
 3131 TURLEY CREEK BLVD.
 DALLAS, TEXAS 75244

(City, State, and ZIP Code)



P 139 162 868

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

S Form 3800, Feb. 1982
 * U.S.G.P.O. 1984-448-014

Sent to	Yates Petroleum Corp.	
Street and No.		
P.O., State and ZIP Code		
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to whom and Date Delivered		
Return receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees		\$
Postmark or Date		

Presidio Oil Company

3131 Turtle Creek Blvd • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Yates Petroleum Corporation
Yates Building
105 South 4th Street
Artesia, N. M. 88210

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

Please find attached a copy of the amended application for your review. This matter will come for hearing again on April 27, 1988.

If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered \$
 Show to whom, date, and address of delivery .. \$

2. RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO
 Marathon Oil Company
 539 S. Main St.
 Findlay, Ohio 45840

4. TYPE OF SERVICE ARTICLE NUMBER
 REGISTERED INSURED P139162866
 CERTIFIED COD
 EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE Addressee Authorized agent
[Signature]

5. DATE OF DELIVERY POSTMARK
 4-7-88 (may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

RETURN
TO

SENDER INSTRUCTIONS
 Place this label on the envelope, and ZIP Code in the lower left corner.
 • Complete items 1, 2, 3, and 4 in the reverse.
 • Attach to front of envelope.
 • Complete items 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.



THE PETROLEUM CORPORATION
 OF DELAWARE
 315 STATE STREET, SUITE 400
 CREEK BLVD.
 DALLAS, TEXAS 75219-5415
 (City, State, and ZIP Code)

P 139 162 866

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1984-446-014 PS Form 3800, Feb. 1982	Sent to	Marathon Oil Company	
	Street and No.		
	P.O., State and ZIP Code		
	Postage	\$	
	Certified Fee		
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered		
	Return receipt showing to whom, Date, and Address of Delivery		
	TOTAL Postage and Fees	\$	
Postmark or Date			

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5698 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration
The Desana Corporation
The Petroleum Corporation of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

Marathon Oil Company
539 S. Main Street
Findlay, Ohio 45840

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

Please find attached a copy of the amended application for your review. This matter will come for hearing again on April 27, 1988.

If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered \$
 - Show to whom, date, and address of delivery .. \$
2. RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
 HNG Oil Company
 P. O. Box 2267
 Midland, TX 79702

4. TYPE OF SERVICE:	ARTICLE NUMBER
<input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	P139162867

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

5. DATE OF DELIVERY	POSTMARK <small>(may be on reverse side)</small>
<i>6/1/88</i>	

6. ADDRESSEE'S ADDRESS (Only if requested)

CENTRAL

7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

RETURN
TO

SENDER INSTRUCTIONS
Official Business
Penalty for Private Use, \$300
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article, if space permits.
• Enclosed article, "Return Receipt Requested,"
applicable to mail.



THE PETROLEUM CORPORATION
OF DELAWARE
SUNBELT CENTER BLDG.
SUITE 400
DALLAS, TEXAS 75219-5418
Tel: 714-858-1000
FAX: 714-858-1000
(City, State, and ZIP Code)

P 139 162 867

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982
* U.S.G.P.O. 1984-446-014

Sent to	HNG Oil Company	
Street and No.		
P.O., State and ZIP Code		
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to whom and Date Delivered		
Return receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees		\$
Postmark or Date		

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration
The Dosana Company
The Petroleum Corp. of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

HNG Oil Company
P. O. Box 2267
Midland, Texas 79702

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

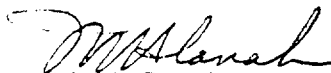
Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

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If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE


M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

• **SENDER**—Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
- Show to whom and date delivered \$
 - Show to whom, date, and address of delivery .. \$
2. **RESTRICTED DELIVERY** \$
(The restricted delivery fee is charged in addition to the return receipt fee.)
- TOTAL \$** _____

3. **ARTICLE ADDRESSED TO:**
 Interstate Oil & Gas Corp
 16825 Northchase Dr. Ste, 1400
 Houston, TX 77060-6001

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER P139162865
---	---

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

5. *Stimone D. Corcoran*

DATE OF DELIVERY <p style="text-align: center; font-size: 1.2em;">4-6-88</p>	POSTMARK <small>(May be on reverse side)</small>
---	--

6. ADDRESSEE'S ADDRESS *(Only if requested)*

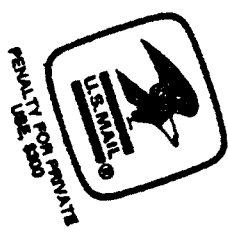
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS
-------------------------------	-------------------------

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OF OFFICIAL BUSINESS

SENDER INSTRUCTIONS
 Send your name, address, and ZIP Code in the return envelope.
 Check for return of article at office.
 Return of article to sender is guaranteed.
 Return of article to sender is guaranteed.
 Return of article to sender is guaranteed.

RETURN



THE PETROLEUM CORPORATION
 INTERSTATE OIL & GAS CORP.
 31131 TURLEY CREEK BLVD.
 DALLAS, TEXAS 75247
 (City, State, and ZIP Code)

162 865

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-448-014	Sent to	Interstate Oil & Gas Corp
	Street and No.	
	P.O., State and ZIP Code	
	Postage	\$
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
Postmark or Date		

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile 214 528-2150

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corporation of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

International Oil and Gas Corporation
16825 Northchase Dr., Ste. 1400
Houston, Texas 77060-6001

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended
Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

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If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE



M. H. Canale
Division Landman

MHC/ds

Attachment

PS Form 3811, July 1982

• SENDER: Complete Items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

- Show to whom and date delivered \$
- Show to whom, date, and address of delivery .. \$

2. RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO
 William Moss
 3811 Turtle Creek Blvd. #700
 Dallas, TX 75219

4. TYPE OF SERVICE:	ARTICLE NUMBER
<input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED	P139162874
<input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD	
<input type="checkbox"/> EXPRESS MAIL	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

[Handwritten Signature]

5. DATE OF DELIVERY	POSTMARK <small>(may be on reverse side)</small>
4-5	

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS

- Fill in your name, address, and ZIP Code in the space below.
- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits.
- Enclose article in "Return Receipt Envelope" if appropriate to number.



RETURN TO



THE PETROLEUM CORPORATION
OF DELAWARE
9131 FORT WORTH STREET, 5TH FLD.
SUITE 400
DALLAS, TEXAS 75219-5415
(City, State, and ZIP Code)

139 162 874

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-448-014	Sent to	William Moss	
	Street and No.		
	P.O., State and ZIP Code		
	Postage	\$	
	Certified Fee		
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered		
	Return receipt showing to whom, Date, and Address of Delivery		
	TOTAL Postage and Fees	\$	
Postmark or Date			

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile 214-528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corporation of Delaware

March 31, 1988

CERTIFIED
RETURN RECEIPT REQUESTED

William Moss
3811 Turtle Creek Blvd.
Suite 700
Dallas, Texas 75219

Re: East Burton Flat Morrow Gas Pool and
East Burton Flat Strawn Gas Pool
Amended Application for Simultaneous Dedication
S/2 Section 6-T20S-R29E
Eddy County, New Mexico

Gentlemen:

Be advised that The Petroleum Corporation of Delaware has filed an Amended Application for Simultaneous Dedication concerning the referenced lands. This concerns the same matter of which you were notified in our letter dated March 4, 1988. The hearing concerning the original application was held on March 30, 1988, and you are hereby being re-notified due to certain errors in the original application. The amended application is being submitted to the Oil Conservation Division for clarification of our intent in this matter.

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If you should need any additional information, please do not hesitate to contact us.

Very truly yours,

THE PETROLEUM CORPORATION OF DELAWARE


M. H. Canale
Division Landman

MHC/ds

Attachment

Presidio Oil Company

3131 Turtle Creek Blvd • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile 214-528-2160

SUBSIDIARIES

Peak Operations Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desand Corporation
The Petroleum Development Company

April 5, 1988

Jim Bruce
Hinkle, Fox, Eaton, Coffield & Hensley
218 Montezuma
Santa Fe, New Mexico 87504-7068

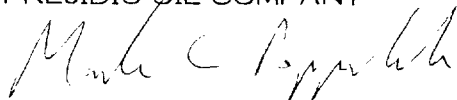
Dear Jim:

On April 4, I spoke with Darryl Moore with the New Mexico Oil and Gas Commission in Artesia concerning the Atoka/Morrow problem on the Superior Federal #6 well. New Mexico recognizes the top of the Atoka at 10488' and the top of the Morrow at 10990'. Originally, the well was completed below New Mexico's Morrow top. In May, 1987 the well was recompleted in several shallow zones, one of which was from 10952'-10958'. This zone is in the Atoka Formation. The well was producing 475 Mcf per day prior to the recompletion and 600 Mcf per day after. I don't feel that the Atoka zone is contributing a large volume of gas but is probably contributing some.

Presidio is allowed to produce from the Morrow and Strawn but the Atoka may be questionable. Any help you could give to rectify this situation would be greatly appreciated.

Sincerely,

PRESIDIO OIL COMPANY



Mark C. Poppendeck
Geologist

MCP/ds



Hink
Santa Fe, New Mexico 87501

Presidio Oil Company

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121
(505) 768-1500

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWell, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

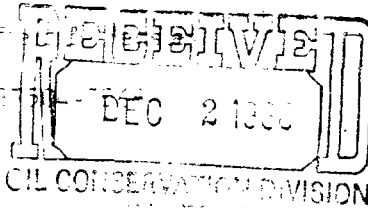
218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD
RICHARD E. OLSON
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG
ALBERT L. PITTS
THOMAS M. HNASKO

JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM*
GREGORY J. NIBERT
DAVID T. MARKETTE*
MARK C. DOW
FRED W. SCHWENDIMANN
DAVID MORAN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM R. JOHNSON
KAREN M. RICHARDSON*
ELLEN S. CASEY
MARGARET C. LUDWIG
SUSAN L. NIESER*
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS*
S. BARRY PAISNER

November 30, 1988

OF COUNSEL
G. M. CALHOUN
MACK DASLEY
JOE WOOD
STEPHEN L. ELLIOTT
CLARENCE E. HINKLE (1901-1985)
W. E. BONOURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)
NOT LICENSED IN NEW MEXICO



On April 4, I spoke with Mr. Michael F. Stogner, New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Santa Fe, New Mexico 87503.
The well was completed below the top of the Atoka at 10488' and the top of the Morrow at 10952'. Initially, the well was completed below the top of the Morrow at 10952'. This zone is in the Atoka Formation. The well was producing 475 Mcf per day prior to the recompletion and 875 Mcf per day after that the Atoka zone is contributing a large volume of gas but is probably contributing some.

Re: Case No. 9342, The Application of the Petroleum Corporation of Delaware for Simultaneous Dedication and Amendment of Administrative Order No. NSP-1290, Eddy County, New Mexico

Dear Mike:

At the original hearing in this matter last March, you requested the following three items:

1. An Amended Application to clear up exactly what relief was sought by the applicant. An Amended Application was filed, but it may have to be amended again due to item three below.
2. A copy of the Dual Completion Order for the Superior Federal Well No. 6. This Order, No. R-7269, was previously provided to you. This order may have to be amended due to item three below.
3. You wanted my client to further inquire as to what formations or pools the Superior Federal Well No. 6 was producing from. This was done, and the results of this inquiry are contained in a letter from me dated April 5, 1988. This letter was your last dated April, and a copy is attached.

It appears from the foregoing that the Superior Federal Well No. 6 may be producing from the Morrow, Santa Fe, New Mexico 87501.



ILLEGIBLE

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION

Mr. Michael E. Stogner
November 30, 1988
Page Two

PAGE 02, 1988
Order 111, 1988

As a result of the foregoing, we may need to request an amendment of NSP-1290 to include the Strawn, Morrow, and Atoka. We may also need to ask for the amendment of Order No. R-7269 to include the Atoka formation, and also to request similar relief for the proposed Superior Federal Well No. 7. I have drafted a Second Amended Application, and it is enclosed with this letter. Please call me about this matter so that we can determine how to proceed and conclude this case.

Very truly yours,
September 1, 1988, at Santa Fe, New Mexico.

James Bruce
JAMES BRUCE
JB:le
Enclosure

On this 25th day of April, 1988, the Commission, after having considered the testimony, the report, and the recommendations of the Examiner, and being fully advised in the premises,

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Petroleum Corp. of Delaware, seeks authority to complete its Superior Federal Well No. 7 located in Unit N of Section 6, Township 20 South, Range 18 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing tubing annulus and gas from the Morrow formation through tubing with separation of the two zones to be achieved by means of a packer.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Petroleum Corp. of Delaware is hereby authorized to complete its Superior Federal Well No. 7

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located in Unit No. 6, Section 6, Township 20 South, Range 29 East, N.M.P.M., East Burton Flat Field, Eddy County, New Mexico. A dual completion (conventional) to produce gas from the St. Formation through the casing-tubing annulus and gas from the Corporation of Delaware for simultaneous dedication, the packer set at an approximate depth of 1000 feet. Case No. 9342

AMENDMENT OF ADMINISTRATIVE ORDER NO. NSP-1290, AND THE AMENDMENT OF ORDER NO. R-7269, the applicant shall complete the well in accordance with the provisions of Rule 113-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order.

SECOND AMENDED APPLICATION

PROVIDED FURTHER, that the applicant shall take a gas leakage test upon completion and annually thereafter. The Petroleum Corporation of Delaware files this Second Amended Application requesting simultaneous

(2) That jurisdiction of this cause is retained in the State of New Mexico, and the amendment of Administrative Order NSP-1290, and the amendment of Division Order No. R-7269, and in DCNE at Santa Fe, New Mexico, on the day and year hereof stated.

Amendment of Division Order No. R-7269, NEW MEXICO

1. Applicant is the operator of the Superior Federal Well No. 6 located in the SW 1/4 of Section 6, which is completed in and is producing from the East Burton Flat-Morrow Gas Pool, East Burton Flat-Atoka Gas Pool, and the East Burton Flat-Strawn Gas Pool.

2. The S 1/2 of Section 6, Township 20 South, Range 29 East, N.M.P.M. (Eddy County, New Mexico), containing 299.84 acres, is dedicated to the Superior Federal Well No. 6.

3. By Order No. R-7269, entered April 25, 1983, The Division approved the dual completion of the Superior Federal Well No. 6 to produce from the Strawn and Morrow formations.

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4. In May 1987 the Superior Federal Well No. 6 was recompleted, and one of the producing zones is in the Atoka formation.

WHEREFORE, Applicant requests the Division to enter its order amending Order No. R-7269 to permit production from the Atoka formation, retroactive to May 1987.

Amendment of Administrative Order NSP-1290:

5. The Superior Federal Well No. 6 is the subject of Administrative Order No. NSP-1290 as to the Morrow pool.

6. Applicant seeks the amendment of NSP-1290 to include the Strawn pool and the Atoka pool.

WHEREFORE, Applicant requests the Division to enter its order amending Administrative Order NSP-1290 to include the Strawn and Atoka pools.

Simultaneous Dedication:

7. Applicant proposes to drill its Superior Federal Well No. 7 in the SE $\frac{1}{4}$ of Section 6, at a standard location, to test the Strawn, Atoka, and Morrow formations.

8. The primary target of the Superior Federal Well No. 7 is the Strawn formation, but the well may be completed in the Morrow and Atoka formations.

9. Applicant seeks authority to simultaneously dedicate production from the subject Morrow, Atoka and Strawn pools in the S $\frac{1}{2}$ of said Section 6 to the Superior Federal Well Nos. 6 and 7.

WHEREFORE, Applicant requests the Division to enter its order permitting the simultaneous dedication of production from the Superior Federal Well Nos. 6 and 7 in the S $\frac{1}{2}$ of said Section 6.

Dated this ___ day of December, 1988.

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By _____

James Bruce
500 Marquette, N.W.
Suite 740
Albuquerque, New Mexico 87102
(505) 768-1500

Attorneys for The Petroleum Oil
Corporation of Delaware

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Delaware Corporation
The Petroleum Corp. of Delaware

April 5, 1988

Jim Bruce
Hinkle, Fox, Eaton, Coffield & Hensley
218 Montezuma
Santa Fe, New Mexico 87504-7068

Dear Jim:

On April 4, I spoke with Darryl Moore with the New Mexico Oil and Gas Commission in Artesia concerning the Atoka/Morrow problem on the Superior Federal #6 well. New Mexico recognizes the top of the Atoka at 10488' and the top of the Morrow at 10990'. Originally, the well was completed below New Mexico's Morrow top. In May, 1987 the well was recompleted in several shallow zones, one of which was from 10952'-10958'. This zone is in the Atoka Formation. The well was producing 475 Mcf per day prior to the recompletion and 600 Mcf per day after. I don't feel that the Atoka zone is contributing a large volume of gas but is probably contributing some.

← 10495'
10943

Presidio is allowed to produce from the Morrow and Strawn but the Atoka may be questionable. Any help you could give to rectify this situation would be greatly appreciated.

Sincerely,

PRESIDIO OIL COMPANY

Mark C. Poppendeck
Geologist

MCP/ds

* Spoke w/ Darryl Moore 12/12/88
Wet. Records do not show
Recompletion.

Hink
Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7568
Order No. R-7269

APPLICATION OF PETROLEUM CORP. OF
DELAWARE FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on September 1, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of April, 1983, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Petroleum Corp. of Delaware, seeks authority to complete its Superior Federal Well No. 6 located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing tubing annulus and gas from the Morrow formation through tubing with separation of the two zones to be achieved by means of a packer.
- (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

- (1) That the applicant, Petroleum Corp. of Delaware is hereby authorized to complete its Superior Federal Well No. 6

located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, East Burton Flat Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and gas from the Morrow formation through tubing with separation of the zones to be achieved by means of a packer set at an approximate depth of 10,710 feet.

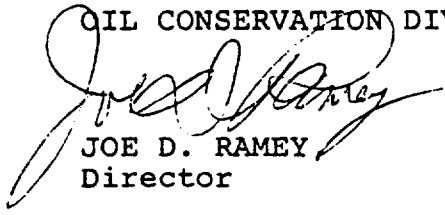
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take a packer leakage test upon completion and annually thereafter during the Annual Shut-In Test Period for gas wells in Southeastern New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L

HINKLE, COX, EATON, COFFIELD & HENSLEY

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July 7, 1989

RECEIVED

JUL 12 1989

OIL CONSERVATION DIV.
SANTA FE

Florene Davidson
 New Mexico Oil Conservation Division
 P.O. Box 2088
 Santa Fe, New Mexico 87504


RE: Case #9663; Application of The Petroleum Corporation of Delaware for Downhoe Commingling, etc.

Dear Florene:

The applicant hereby requests that the above case be continued to the July 26th Examiner Hearing. The items required to be filed with the Division under Rule 303 have been sent out, but we would like the Division to have them a sufficient time before hearing. Thank you.

Very truly yours,

HINKLE, COX, EATON,
 COFFIELD & HENSLEY



James Bruce

JB: Amtz

HINKLE, COX, EATON, COFFIELD & HENSLEY

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July 25, 1989

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HAND DELIVERED

Mr. William Lemay
Director
New Mexico Oil Conservation
Division
Santa Fe, New Mexico 87503

Re: Case No. 9663, The Application of The Petroleum
Corporation of Delaware for Downhole Commingling, etc.

Dear Mr. Lemay:

Please continue this matter to the August 23, 1989
Examiner Hearing. Thank you.

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By: James Bruce

JB:le

RECEIVED

JUL 25 1989

OIL CONSERVATION DIVISION

Handwritten initials

HINKLE, COX, EATON, COFFIELD & HENSLEY

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GARY W. LARSON
STEPHANIE LANDRY

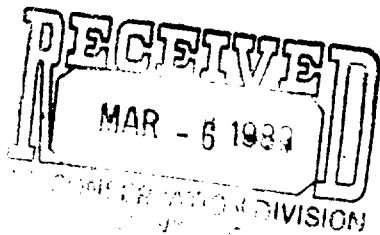
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ROY C. SNOODGRASS, JR., 914-987

NOT LICENSED IN NEW MEXICO

982-4554

February 28, 1989



Mr. Michael E. Stogner
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: OCD Case No. 9342; The Application of the Petroleum Corporation of Delaware

Dear Mike:

We're making progress on the above matter, and I will be filing an amended application in March, looking toward an April hearing. Basically, we will be dropping the simultaneous dedication portion of the application, and requesting downhole commingling of production from the Morrow and Atoka formations. Relief from the requirement for separate testing of zones will be requested. We will also file, prior to hearing, the information requested by statewide Rule 303(C).

Please call if you have any questions.

Very truly yours,

James Bruce
JAMES BRUCE

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

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CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEX.CO

August 16, 1989

*CASE FILE
9663*

FEDERAL EXPRESS

Mr. David Catanach
New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Room 206
Santa Fe, New Mexico 87501

Re: OCD Case No. 9663; Application of The Petroleum Corporation of Delaware for Downhole Commingling, etc.

Dear David:

The above matter is set for hearing on August 23rd. The enclosed materials are submitted to you pursuant to Division Rule 303(c). Offset operators were previously notified of the hearing in this matter. The materials do not contain an acreage dedication plat, since there is one in the well file already.

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY

James Bruce
By: James Bruce

JB:ls
Enclosures

cc w/enc: OCD - Artesia



STATE OF NEW MEXICO
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
 OIL CONSERVATION DIVISION

GARREY CARPENTHERS
 JOSEPHSON

POST OFFICE BOX 2988
 STATE OFFICE BUILDING
 SANTA FE, NEW MEXICO 87504
 (505) 827-2800

December 2, 1988

Hinkle, Cox, Eaton, Coffield & Hensley
 500 Marquette, NM
 Suite 740
 Albuquerque, NM 87102-2121

Attention: James Bruce

RE: Case No. 9342, The Application
 of the Petroleum Corporation
 of Delaware for Simultaneous
 Dedication and to amend
 Division Administrative Order
 NSP-1290, Eddy County, New
 Mexico.

Dear Mr. Bruce:

I am in receipt of your letter dated November 30, 1988 concerning the subject case heard on March 30, 1988 and taken under advisement on April 27, 1988. I am still in need of additional information before further action can be considered.

For the existing Superior Federal Well no. 6, it is my understanding that this well is presently completed in and producing from the East Burton Flat-Strawn Gas Pool, the Undesignated East Burton Flat-Atoka Gas Pool and the East Burton Flat-Morrow Gas Pool all of which are or should be dedicated to Lots 6 and 7, the W/2 SW/4, and the SE/4 of section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico. Please submit to me information, preferably a detailed schematic, showing how this well is completed; are all three zones completed separately, or are the two lower zones downhole commingled or are all three zones downhole commingled. If any zones are presently downhole commingled, please refer to the Division Order authorizing such, if there is no order, authorization for such should be obtained when this case is reopened.

Also, please submit data, preferably a schematic, showing the proposed completion of the Superior Federal Well No. 7; any proposal for multiple completion and/or downhole commingling can be sought at the reopened hearing.

Hinkle, Cox, Eaton, Coffield & Hensley
 December 2, 1988
 Page No. 2

In conclusion, there has been a strict policy change at the Division concerning simultaneous dedication of wells in unprorated pools, see attached copy of the July 27, 1988 Memorandum. Please be prepared to submit adequate testimony concerning this matter for all of the zones involved. If you decide to drop the idea of drilling the second well on the subject non-standard proration unit, please contact me.

We can decide at that time what requirements are needed to bring the existing well into compliance with the Division's Rules and Regulations.

Sincerely,

Michael E. Stogner
 Chief Hearing Officer

MES/ag

cc: Oil Conservation Division - Artesia
 Case File: 9342
 Vic Lyon



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
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SANTA FE, NEW MEXICO 87504
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MEMORANDUM

TO: ALL OPERATORS

FROM: WILLIAM J. LEMAY, DIRECTOR *WJL*

SUBJECT: RULE 104 C II OF THE GENERAL RULES AND REGULATIONS

DATE: JULY 27, 1988

There has been some confusion about interpretation of the subject rule. In each paragraph of sections (a), (b) and (c) the rule states:

"Unless otherwise provided in special pool rules, each development well for a defined gas pool shall be located on a tract..."

My interpretation of this sentence is that each well is to be located on its own individual specified unit and an additional well is not authorized simply by meeting the set back requirements of the rule.

This interpretation is necessary to prevent waste from the drilling of unnecessary wells and to protect correlative rights of all parties in the pool. Since the prorated pools have special pool rules the subject rules have greater impact on unprorated gas. Unprorated does not mean unregulated. Allowables are not issued in unprorated pools and the only method available to protect correlative rights is the control of well density and locations. Added well density required because of special geological situations can be addressed by special pool rules after notice and hearing.

Applications for additional wells on existing proration units will be approved only on the understanding that upon completion of the well the operator shall elect which well will be produced and which will be abandoned. Application to produce both wells will be approved only after notice and hearing and upon compelling evidence that the applicant's correlative rights will be impaired unless both wells are produced.

dr/

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*NOT LICENSED IN NEW MEXICO

April 11, 1989

Case 9663

Mr. Michael E. Stogner
New Mexico Oil Conservation
Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Case No. 9342

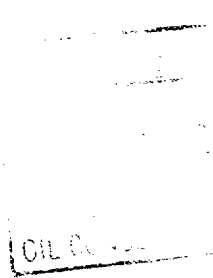
Dear Mike:

Enclosed is an original and two copies of the Second Amended Application of the Petroleum Corporation of Delaware in the above matter. Please set this case for the next available examiner hearing, which I believe is May 10, 1989. Please call me if you have any questions.

Very truly yours,

Jim Bruce
JAMES BRUCE

JB:le
Enclosures



HINKLE, COX, EATON, COFFIELD & HENSLEY

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*NOT LICENSED IN NEW MEXICO

April 5, 1988

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Case No. 9342, Application of the Petroleum Corporation
of Delaware for Simultaneous Dedication

Dear Mike:

Enclosed is a copy of OCD Order No. R-7269 approving the
dual completion of the Superior Federal Well No. 6, which you
requested at the hearing.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr
Enclosure

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7568
Order No. R-7269

APPLICATION OF PETROLEUM CORP. OF
DELAWARE FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on September 1, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of April, 1983, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Petroleum Corp. of Delaware, seeks authority to complete its Superior Federal Well No. 6 located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing tubing annulus and gas from the Morrow formation through tubing with separation of the two zones to be achieved by means of a packer.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Petroleum Corp. of Delaware is hereby authorized to complete its Superior Federal Well No. 6

located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, East Burton Flat Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and gas from the Morrow formation through tubing with separation of the zones to be achieved by means of a packer set at an approximate depth of 10,710 feet.

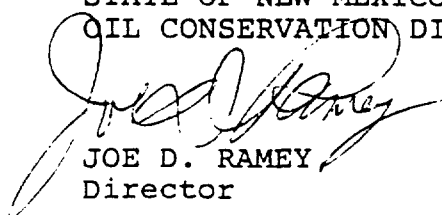
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take a packer leakage test upon completion and annually thereafter during the Annual Shut-In Test Period for gas wells in Southeastern New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L

Presidio Oil Company

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SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Desana Corporation
The Petroleum Corporation of Delaware

SUPERIOR FEDERAL WELL NO. 6 PRODUCTION ALLOCATION EAST BURTON FLAT ATOKA GAS

Prior to adding the perforations in May of 1987, the well was flow tested. The 33 days before the workover the Morrow perms from 11,177'-11,314' tested an average of 482 MCFGPD. On May 7, 1987 three sets of perforations were added from 11,118'-11,122'; 11,006'-11,011' + 10,951'-10,956'. The perforated interval from 10,951'-10,956' is designated by the State as an Atoka interval. A copy of the Compensated Neutron-Formation Density log with perforated intervals is attached. The following is a tabular presentation of log interpretation in each perforated interval.

Perforated Interval	Net Feet of Pay (ft)	Average Porosity (%)	Net Cacl. Porosity-Feet	% Gas from Pay
10,951'-56'	6	6.2	0.372	41.15
11,006'-11'	8	3.5	0.280	30.97
11,118'-22'	6	4.2	0.252	<u>27.88</u>

100.00

The total gross increase in production from the workover on May 7, 1987 was 62 MCFGPD. Using a weighted average of net porosity feet of pay to determine the percentage of the increased gas volume that came from the Atoka pay shows that 41.15% of the 62 MCFGPD increase came from the 10,951'-56' Atoka interval. This is a total volume of 25.5 MCFGPD from Atoka pay. The total volume from both Atoka and Morrow pay after the workover was an average of 544 MCFGPD. Therefore, the percentage of Atoka gas from the total stream of combined production is $25.5/544 = .0469$ or approximately 4.7% of total daily production. The allocation of Atoka gas production is based on these calculations. The allocations of produced reserves is 4.7% of total production after the May, 1987 workover and future production will be allocated in the same manner. Total produced Atoka reserves is 19,677 MCFG + 65 BO through July of 1989; 4.7% of all future tubing side production will be allocated to the East Burton Flat Atoka Gas Pool.

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The Petroleum Corp. of Delaware

SUPERIOR FEDERAL NO. 6 WORKOVER DETAIL

A graph of the 33 days production prior to the May 7, 1987 perforating is attached. The tests averaged 482 MCFGPD with a 530 psi flowing tubing pressure.

On May 7, 1987 perforations were added via a 1-11/16" through tubing perforating gun. The intervals 10,951'-56'; 11,006'-11' and 11,118'-22' were perforated with 2 shots per foot with no fluid cushion. At this time there was no stimulation performed and the well was returned to production immediately.

The well was flow tested for 32 days and averaged 544 MCFGPD from all perforations old and new. This was a 62 MCFGPD increase in production.

On June 9th the entire Morrow/Atoka interval was acidized. This included both the old and new perforations. The acid job consisted of 4250 gallons of 7-1/2% MS acid pumped with 500 SCF/bbl nitrogen and 122 RCN ball sealers spaced evenly throughout the job.

The zones were production tested for 35 days after acidizing and the zones produced an average of 630 MCFGPD.

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The Petroleum Corporation of Delaware

SUPERIOR FEDERAL NO. 6 GAS CHROMATOGRAPHIC TEST DATA

Obtained from El Paso Natural Gas Company's measurement department in El Paso, Texas. (Meter Station # 58-624-012)

Normal Mole %

Sample Date	2/28/87	9/1/87	2/16/89
CO ₂	0.67	0.59	0.73
H ₂ S	0.0	0.0	0.0
N ₂	0.40	0.56	0.38
Methane	91.01	91.29	91.01
Ethane	5.01	4.87	4.97
Propane	1.71	1.58	1.67
Iso-Butane	0.28	0.29	0.28
Norm-Butane	0.40	0.35	0.38
Iso-Pentane	0.15	0.15	0.15
Norm-Pentane	0.12	0.09	0.11
Hexane Plus	0.25	0.23	0.32
Specific Grav.	0.626	0.622	0.627
Specific Heats Ratio	1.296	1.296	1.296
BIU/CF	1102	1095	1103
Liquids(GPM)	2.236	2.131	2.236

SUPERIOR FEDERAL No. 6

MORROW

AVG RATE = 482 MCF/DAY
FTP = 530 PSI
33 DAYS BEFORE ADDING PERFORATIONS.

AVG. RATE = 544 MCF/DAY
FTP = 560 PSI
32 DAYS BEFORE ACIDIZING

AVG. RATE = 630 MCF/DAY
FTP = 520 PSI
35 DAYS OF TESTING AFTER ACIDIZING

ADDED PERFORATIONS

ACIDIZED ALL PERFORATIONS (QUOTED)

4-DAY MOVING AVERAGE OF ACTUAL MCF/DAY

ACTUAL MCF/DAY

FTP

INDEX

RED - DAILY ACTUAL GAS VOLUMES

BLUE - 4-DAY MOVING AVERAGE OF DAILY GAS VOLUMES

GREEN - FLOWING TUBING PRESSURE

